

ABSTRACT

A positioning structure for air fan induction element and stator is capable of precisely positioning an air fan induction element and a stator in an air fan. The induction element is located at a desired position on a circuit board. The position is defined by a circle center coincided with the center of a shaft opening of the circuit board, and a zone defined by a base line ± 10 degrees (for quadruple-pole stators), with the base line formed by intersecting the circuit board with an equipartition plane of a front end and a rear end of two neighboring and opposing pole struts, or a zone defined by a base line ± 5 degrees (for octonary-pole stators), with the base line formed by intersecting the circuit board with the equipartition plane of the front pole end of an upper pole sheet and the rear pole end of a lower pole sheet. The structure is simple and can position the induction element precisely, thereby improves electric current, air pressure and air flow rate and rotation speed of the air fan and increases air fan durability